

**AMMONIA-N IN DRINKING WATER AND SURFACE WATERS, AND DOMESTIC AND INDUSTRIAL WASTES  
AQ2 METHOD NO: EPA-129-A REVISION 4**

Facility Name: \_\_\_\_\_ VELAP ID \_\_\_\_\_

Assessor Name: \_\_\_\_\_ Analyst Name: \_\_\_\_\_ Inspection Date \_\_\_\_\_

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst: _____					
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
Is the linear calibration range determined initially, and does it contain a minimum of a blank and three standards?	Method Supplement 1, Rev. 2 (MS) 3.2.1				
Is linearity reestablished if any verification data exceeds initial calibration values by $\pm 10\%$ ?	MS 3.2.1				
Is a laboratory control sample analyzed with every batch, and is recovery within $\pm 10\%$ of the stated value?	MS 3.4.3				
Are method detection limits established?	MS 3.4.3				
Is at least one method blank carried through all the procedural steps with each batch?	MS 3.4.1.1				
Is the initial calibration verified using a second source or certified standard other than the quality control sample?	MS 4.4				
Is the calibration verified using a calibration standard after every ten samples or every analytical batch?	MS 4.5				
Is a minimum of 10% of all samples spiked with the stock standard?	MS 3.3.1				
If matrix interference is present, are results not reported for regulatory compliance purposes?	MS 3.3.1.4.1				
For compliance monitoring, is the concentration of the matrix spike at the regulatory limit OR 1 to 5 times higher than the background concentration of the sample?	MS 3.3.1.1.1				
Were the absorbencies read at 650-660 nm?	Introduction				

Notes/Comments:

**AMMONIA-N IN DRINKING WATER AND SURFACE WATERS, AND DOMESTIC AND INDUSTRIAL WASTES  
AQ2 METHOD NO: EPA-129-A REVISION 4**

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
<i>Records Examined:</i> SOP Number/ Revision/ Date _____ Analyst: _____ Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
If samples were preserved with sulfuric acid, was sulfuric acid added to calibration standards so that the concentrations of sulfuric acid matched between standards and samples?	Introduction				
Were samples for the Clean Water Act (NPDES) distilled by EPA 350.1 Revision 2.0 prior to analysis by this method unless the laboratory has documentation indicating distillation is not necessary?	1.4 11.3				
If turbidity interfered with analysis, were turbid samples filtered prior to analysis?	4.4				
Were samples analyzed for total ammonia not filtered prior to analysis?	8.3				
If sample color absorbed the analytical wavelength, was the blanking feature of the AQ2 software used?	4.4				
Was volumetric glassware Class A?	6.2				
Was house-brand bleach, if used, stored under refrigeration?	7.1				
Was analytical brand bleach, if used, replaced within 8 weeks after opening?	7.1				
Was Sodium Nitroprusside reagent discarded if it became bluish in color?	7.1				
Was the anhydrous Ammonium Chloride (NH <sub>4</sub> Cl) used to make standards dried at 105°C?	7.2				
Was the stock standard solution preserved with sulfuric acid and stored at 4°C?	7.2				
Were samples collected in glass or plastic bottles?	8.1				
Were samples preserved to a pH < 2 with sulfuric acid and cooled to 4°C at the time of collection and held for not longer than 28 days?	8.2				
Notes/Comments:					